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FM-LW-MW-SW ALL BAND RECEIVER

Radio

RF-B40

(Black)

This is the Service Manual for the following areas.

[ZI]...For Italy and Finland.

[ZG]...For F.R. Germany

- Please use this manual together with the service manual for model No. RF-B40DL [X] order No. GAD8705090C3.
- This service manual indicates the main differences between; Original RF-B40DL [X] and RF-B40DL [ZI] [ZG].

CHANGES

SPECIFICATIONS

Frequency Range: SW; 1.615~29.995 MHz

Intermediate Frequency: AM (MW, LW, SW); 450 kHz

Power Requirement:

AC; [X] 110~127/220~240 V, 50/60 Hz with included AC adaptor

RF-B40DL [X] (Original)

ALIGNMENT POINTS

AM (1) 2nd 450±0.5 kHz T9

AM (2) 2nd 450±0.5 kHz

RF-B40DL [X] (Original)

Frequency Range:

[ZG]...SW; 1.615~26.1 MHz [ZI]...SW; 3.8~26.1 MHz

Intermediate Frequency: AM (MW, LW, SW); 459 kHz

Power Requirement:

AC; [ZI] [ZG] 220 V, 50 Hz

with included AC adaptor

RF-B40DL [ZI] [ZG]

AM (1) 2nd 459±0.5 kHz T9

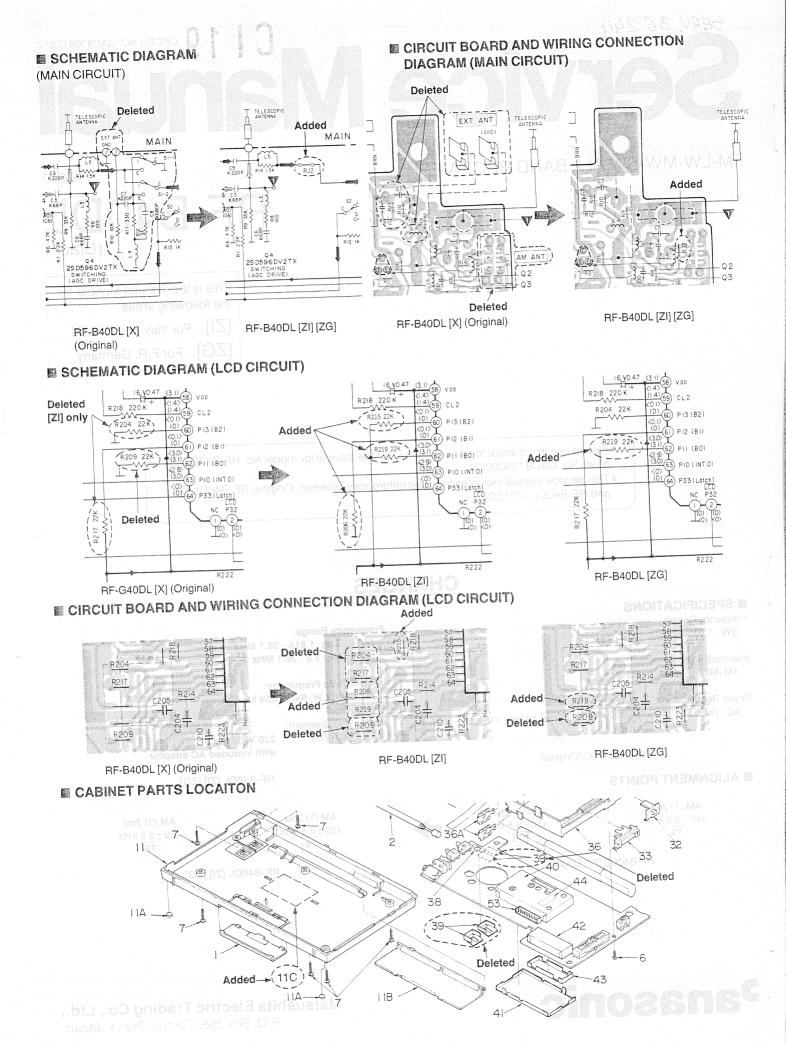
AM (2) 2nd 459±0.5 kHz T8

RF-B40DL [ZI] [ZG]

Panasonic

Matsushita Electric Trading Co., Ltd.

P.O. Box 288, Central Osaka, Japan



MEASUREMENTS AND ADJUSTMENTS

FM VCO, SW VCO, AM LOCAL OSC ALIGNMENT

	BAND	FREQUENCY DISPLAY SETTING	DC DIGITAL VOLTMETER	FREQUENCY COUNTER	ADJUSTMENT	REMARKS
				SW VCO	ALIGNMENT	
(2)	sw	29.995 MHz	₩(+) ₩(-)		L15	Adjust L15 for 9.0 \pm 0.1 V reading on DC digital voltmeter.

AM IF ALIGNMENT

AM-IF (2nd) ALIGNMENT

(12)	АМ	Fashion loof of several turns of wire and radiate signal into loop of receiver.	450 kHz 30% Mod. with 400 Hz.		Output meter across Voice coil.	T9 (1st) T8 (2nd)	Adjust for maximum output.	
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RF-B40DL [X] (Original)



FM VCO, SW VCO, AM LOCAL OSC ALIGNMENT

	BAND	FREQUENCY DISPLAY SETTING	DC DIGITAL VOLTMETER	FREQUENCY COUNTER	ADJUSTMENT	REMARKS
				SW VCO	ALIGNMENT	
(2)	sw	(26.1 MHz)	₩(+) ₩(-)		L15	Adjust L15 for 9.0 \pm 0.1 V reading on DC digital voltmeter.

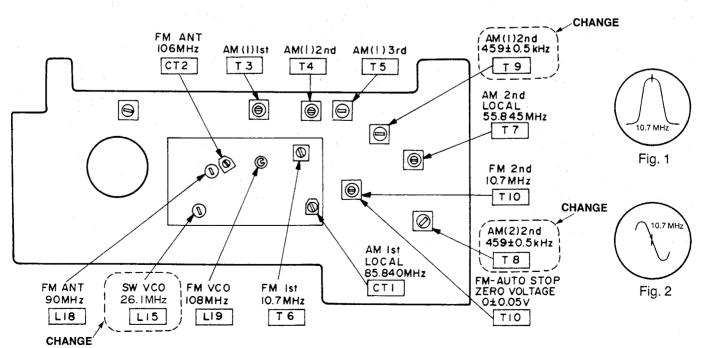
AM-IF (2nd) ALIGNMENT

(12)	АМ	Fashion loof of several turns of wire and radiate signal into loop of receiver.	459 kHz 30% Mod. with 400 Hz.		Output meter across Voice coil.	T9 (1st) T8 (2nd)	Adjust for maximum output.
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RF-B40DL [ZI] [ZG]

ALIGNMENT POINT

• Please refer to Circuit Board and Wiring Connection Diagram for test point locations.





PARTS COMPARISON TABLE

Notes:

 Important safety notice Components identified by ∆ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

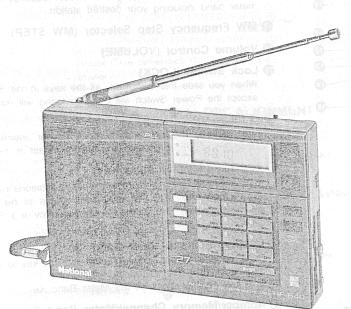
2. The letter in square brackets in the Remarks column indicates the shipping destination. [ZI]...For Italy and Finland

[ZG]...For F.R. Germany

		Part	Number	Damarica.
Ref. No.	Description	RF-B40DL [X] (Original)	RF-B40DL [ZI] [ZG]	Remarks
C7	Capacitor	RCUV1H221K		Deleted
C8	Capacitor	RCUV1H681KB		Deleted
R11	Resistor	RRJ6GCJ331TE		Deleted
R12	Resistor	RRJ6GCJ330		Deleted
R204 [ZI]	Resistor	RRJ6GCJ223TE		Deleted
R206 [ZI]	Resistor, 1/10 W, 22 kΩ		RRJ6GCJ223TE	Added
R209	Resistor	RRJ6GCJ223TE		Deleted
R215 [ZI]	Resistor, 1/10 W, 22 kΩ		RRJ6GCJ223TE	Added
R217 [ZI]	Resistor	RRJ6GCJ223TE		Deleted
R219	Resistor, ½10 W, 22 kΩ		RRJ6GCJ223TE	Added
RJ2	Jumper		RRJ6GCJ000TE	Added
L4	Coil	RLQZN220K-D		Deleted
CF2	Ceramic Filter	RVF450UI1-M	RVF459UI1-M	
S1	Switch, Antenna	RSS2B43Y		Deleted
X2	Crystal	RVCA55395NRW	RVCF55386NRW	
11 [ZI]	Rear Cabinet Ass'y	RYFFB40LX	RYFFB40DLZI	
11 [ZG]	Rear Cabinet Ass'y	RYFFB40LX	RYFFB40DLZG	
11C [ZI]	Name Plate		RGT1318WA-0	Added
11C [ZG]	Name Plate		RGT1318XA-0	Added
12 [ZI]	Front Cabinet Ass'y	RYMFB40LX	RYMFB40DLZI	
12 [ZG]	Front Cabinet Ass'y	RYMFB40LX	RYMFB40DLZG	
36	Chassis Ass'y	RZAFB40LX	RZAFB40DLZG	
39	Terminal	RJT1093ZA		Deleted
A1	Antenna Cord	RSA805ZA		Deleted
A2	Plug	RJP120ZS		Deleted
A4	AC Adaptor ∆	RD9496XR	RD9496SXGR	
A5	Instruction Manual	RQX5011ZA	RQX5048ZA	
A6	Carrying Case	RQD248ZA-0	RQD248YA-0	
P3	Carton Box	RPK2549ZB	RPK2584ZA	
P6	Cushion		RPE688ZA	Added

- 4 -

FM-LW-MW-SW ALL BAND RECEIVER



Radio

(Black)

This is the Service Manual for the following area.

[X]....For Asia,Latin America,Middle East and Africa areas.

[XL]....For Australia.

■ SPECIFICATIONS

Frequency Range:

Intermediate Frequency: Sensitivity:

olds and pais many Power Requirement:

Power Consumption: Power Output: Speaker:

(AM Sensitive indicator (AM SENS) Dimensions:

Weight:

FM; 87.5~108MHz

LW; 146~288KHz

Lvv, 140~200KHZ MW; 522~1611KHz(at 9KHz step) 520~1610KHz(at 10KHz step) SW; 1.615~29.995MHz

FM; 10.7MHz

AM(MW,LW,SW); 450KHz FM; 2.5µV/50mW output(-3dB Limit Sens)

LW; 563µV/m/50mW output (at 281KHz, S/N 20dB)

MW; 45µV/m/50mW output

MW; 45µV/m/50mW output
SW; 11µV/50mW output (at 6MHz,S/N 20dB)
Battery; 6V (four UM-3,"AA"size batteries)
AC;(X)....110~127/220~240V,50/60Hz with included AC adaptor
(XL)...240V,50Hz with included AC adaptor

5W(AC Only) 550mW (RMS Max.)

8cm PM Dynamic Speaker (8 Ω) reported with vibration in behind right.

Earphone; σ 3.5 (8 Ω)

Power Battery Check Hidrator (POWETmm(D)787(H))787(H)

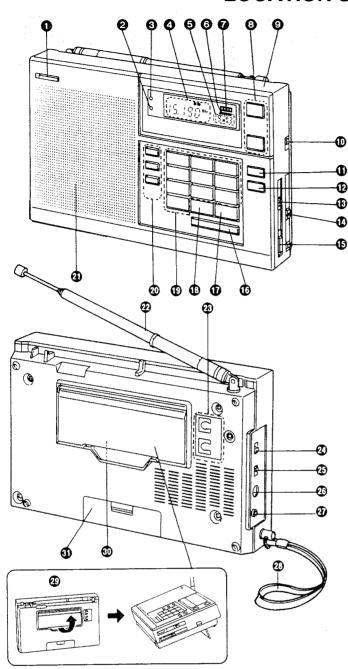
480g Without Batteries

Design and specefications are subject to change without notice.



Matsushita Electric Trading Co., Ltd. P.O. Box 288, Central Osaka Japan

LOCATION OF CONTROLS



- Power Switch (POWER)
- 2 Tuning Indicator (TUNING)
 - •When tuned in correctly, this indicator will light.
- O Power/Battery Check Indicator (POWER/BATT)

LCD Multi Display

- Band/Frequency Display
- 6 Meter Band Display

appears when the tuning is done within the meter band. (except for 11 meter band)

- 6 Memory and Memory Channel Indicator appears when the memory tuning is done.
- Cock Indicator appears when the receiving is locked by sliding the Lock Switch.
- **②** Up and Down Keys (∧ ∨)

Press the Up Key (\land) or Down Key (\lor) to make the frequency change up or down during Manual Tuning and Auto Scan Tuning.

- Short Wave Frequency Allocation
- Tone Selector (TONE)
- Trequency Direct Access Key (FREQ)
 Press the key before entering the frequency number.
- Meter Band Direct Access Key (METER)

Press the key before calling the lowest frequency of the SW meter band including your desired station.

- ® MW Frequency Step Selector (MW STEP)
- (VOLUME)
- (LOCK)

When you slide this switch up, all the keys in the front panel except the Power Switch will be locked and will not operate.

① Enter Key (ENTER)

After entering the frequency number of your desired station, press the key to begin receiving the broadcast of the station.

1 Memory/13 Meter Band Key

Use the key first when you preset the desired stations into each of the memory channels. This key also functions as the 13 Meter Band Key, which can call the lowest frequency of a SW meter band.

Decimal Point/16 Meter Band Key

For Frequency Direct Access Tuning, use the key to enter the decimal point of the frequency.

This key also functions as the Meter Band Key.

Number/Memory Channel/Meter Band Keys

Press the keys in the following ways.

- •In Frequency Direct Access Tuning, to enter the frequency number of your desired stations.
- •In Memory Tuning, to preset and call the stations.
- •In Meter Band Direct Access Tuning, to call the lowest frequency of a SW meter band.
- Band Select Keys
- 4 Speaker (8 cm, 8Ω)
- Telescopic Antenna
- ® External Antenna/Earth Terminals

In most areas the model's ferrite antenna and telescopic antenna will provide sufficient reception. However, it is a good idea to connect an external antenna to these terminals when receiving weak-signal broadcasts or when using the radio in a fringe area.

2 AM Antenna Selector (AM ANT)

Select "INT" or "EXT" when using the antenna. The selector doesn't work for FM reception.

49 AM Sensitivity Selector (AM SENS)

Normally set to "DX". When the reception is impaired or interfered by powerful station, set to "LOCAL". The selector cannot operate for FM reception.

- ② DC Input Jack (DC IN 6 V ⊕ ⊕ ⊕)
- ② Earphone Jack (ⓒ) (Ø3.5, 8Ω)

Connect the included earphone to the jack.

- •Adjust the volume to lower level so as not to injure your ear.
- @ Carrying Strap
- Stand

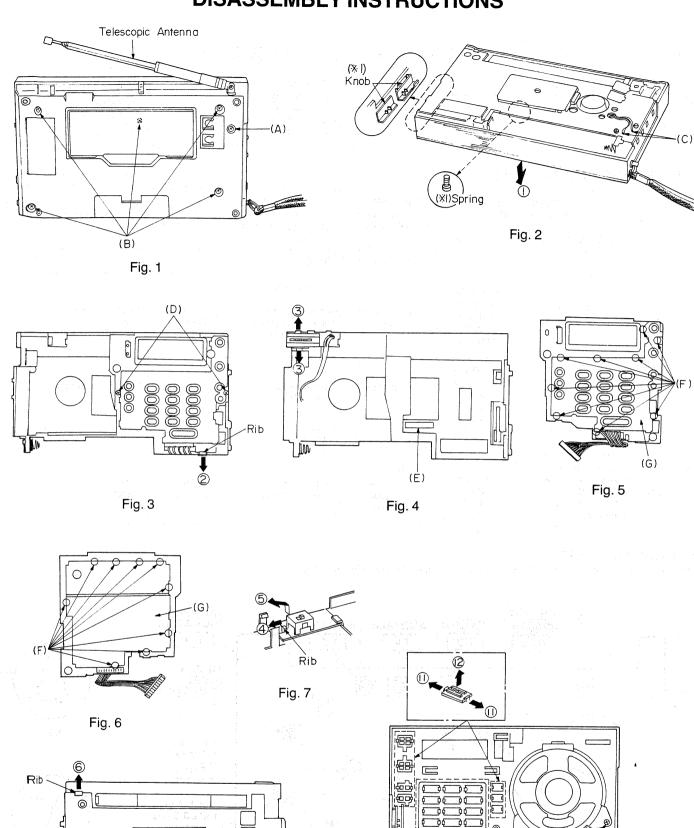
By using the stand, it is easy to operate.

1 Station Reminder (STATION REMINDER)

Open the Stand and attach the included Memory Channel Sheets to the Station Reminder. It is useful for Memory Tuning.

Battery Compartment

DISASSEMBLY INSTRUCTIONS



(H)-

Fig. 8

Steps	Shown in Fig. —.	To remove—.	Remove—.
1	1	Telescopic Antenna	Screw (2.6×14) mm
2	1	Rear Cabinet	Screw (2.6×14) mm (B)×
3			Remove the solder (C) from speaker terminal.
4	2	Front Cabinet (%1)	Remove the front cabinet in the direction of arrow ①.
5	3		Screw (2×5) mm(D)×
6	3		Push the rib in direction of arrow ② and remove the LCD circuit board.
7	4	LCD Circuit Board	Socket (CP1) (E)×
8	5, 6		Desolder the 18 points
9	-, -		Shield Plate(G) ×
10	4	Power Switch Knob	Push the rib in direction of arrows ③ and remove the power switch knot
11	7	Power Switch Circuit Board	Push the rib in the direction of arrow ④ and remove the power switch circuit board in the direction of arrow ⑤.
12			Screw (2×5) mm (H)×
13	8	Main Circuit Board	Push the rib in the direction of arrows (6) and remove the main circuit board.
14	9	Speaker	Screw (2.6×8) mm(I) ×
15	9	ENTER Key	Push the rib in the direction of arrows ⑦ and remove the button in the direction of arrow ⑧.
16	9	MEMORY, DECIAL POINT and NUMBER Key	Push the rib in the direction of arrows (9) and remove the buttons in the direction of arrow (10).
17	9	BAND, DIRECT ACCESS and MANUAL TUNING Key	Push the rib in the direction of arrows ① and remove the buttons in the direction of arrow ②.

(MAIN CIRCUIT BOARD)

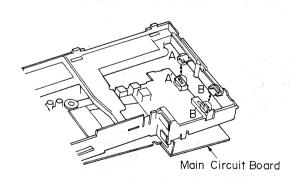


Fig. 10

During installation, simultaneously fit in A and A', B and B'.

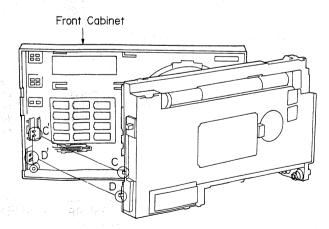


Fig. 11

2. During installation, simultaneously fit in C and C', D and D'.

Fig. 9

MEASUREMENTS AND ADJUSTMENTS

MALIGNMENT INSTRUCTIONS

Note: 1. Set power on switch to ON. 2. Set volume control to MAXIMUM. 3. Set tone select switch to HIGH. 4. Set lock switch to OFF. Set VOLUME CONTROL SWITCH TO SET SWI

- 1. Frequency counter.
- 2. Oscilloscope (Dual dimension).
- Oscilloscope (Dual dimen
 RF voltmeter.

- 4. DC digital voltmeter.
- 5. Ampere meter.6. Signal generator.

FM VCO, SW VCO, AM LOCAL OSC ALIGNMENT

	BAND	FREQUENCY DISPLAY SETTING	DC DIGITAL VOLTMETER	FREQUENCY COUNTER	ADJUSTMENT	REMARKS		
				FM VCO	ALIGNMENT			
(1)	FM	108.00 MHz	₩(+)		L19	Adjust L19 for 9.0 \pm 0.1 V reading on DC digital voltmeter.		
	SW VCO ALIGNMENT							
(2)	sw	29.995 MHz	₩(+) ₩(-)		L15	Adjust L15 for 9.0 \pm 0.1 V reading on DC digital voltmeter.		
			Α	M 1st LOCAL	OSC ALIGNM	MENT		
(3)	AM	29.995 MHz		₩ (-)	CT1	Adjust CT1 for 85.840 MHz ± 50 Hz reading on frequency counter.		
			AM	2nd LOCAL (OSC ALIGNM	ENT		
(4)	АМ	29.995 MHz		\vec{\vec{\vec{\vec{\vec{\vec{\vec{	Т7	Adjust T7 for 55.845 MHz \pm 50 Hz reading on frequency counter.		

■ FM IF, RF, AUTO STOP ZERO VOLTAGE ALIGNMENT

	BAND	SIGNAL GENERATOR or SWEEP GENERATOR		FREQUENCY DISPLAY SETTING	INDICATOR (ELECTRONICS VOLTMETER	ADJUSTMENT	REMARKS	
	BAND	CONNECTIONS	FREQUENCY	OLITING.	or SCOPE)	ADJUGITULINI	NEIVIANNO	
	FM-IF ALIGNMENT							
(5)	FM	Connect to test point through 0.001 µF. Negative side to test point th.	10.7 MHz (400 Hz SWP.)	Point of non- interference. (on/ about 90 MHz)	Connect vert. amp. of scope to test point Y . Negative side to test point Y .	T6 (FM 1st IFT)	Adjust of maximum amplitude. (Refer to fig. 1.)	
(6)	FM	<i>n</i>	<i>II</i>	n	n	T10 (FM 2nd IFT)	Adjust for maximum amplitude. (Refer to fig. 2.)	
				FM-RF ALIGNM	MENT			
(7)	FM	Connect to test point Through FM dummy antenna. Negative side to test point T.	90.00 MHz	90.00 MHz (CH2)	Connect vert. amp. of scope to test point Y . Negative side to test point W .	L18 (FM ANT Coil)	Adjust for maximum output.	
(8)	FM	и	106.00 MHz	106.00 MHz (CH4)	"	CT2(FM ANT Trimmer)	Adjust for maximum output. Repeat steps (8). (7),	

- 5 -

			FM-AUT(O STOP ZERO V	OLTAGE ALIGN	MENT	
(9)	FM	Connect to test point through FM dummy antenna. Negative side to test point w.	98.00 MHz (40 dB No Mod.)	98.00 MHz (CH3)	Connect vert. amp. of scope to test point V . Negative side to test point V .	T10	Adjust T10 for 0 ±0.05 V electronics voltmeter reading.

No.

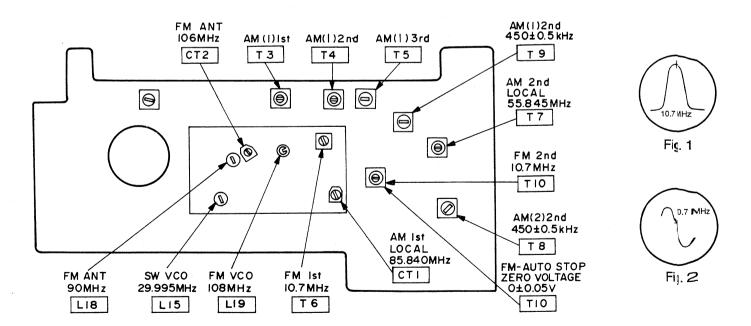
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SW IF, LW IF TRAP ALIGNMENT

	BAND	SIGNAL GENERATO GENERAT		FREQUENCY DISPLAY SETTING	INDICATOR (ELECTRONICS VOLTMETER or	ADJUSTMENT	REMARKS
		CONNECTIONS	FREQUENCY	SETTING	SCOPE)		
			μ	AM-IF (1st) ALIG	NMENT		
(10)	AM	₩ (-)	55.845 MHz 95 dB, 4% Mod. with 1 kHz (Frequ. Mod.)	10.000 MHz (CH1)	Connect vert. amp. of scope to test point V. Negative side to test point V.	T3 (1st) T4 (2nd)	Adjust for flat and maximum output.
(11)	АМ	₩ (-)	10.000 MHz 30% Mod. with 400 Hz (Ampli. Mod.)	10.000 MHz (CH1)	Output meter across Voice coil.	T5 (3rd)	Adjust for maximum output.
			A	AM-IF (2nd) ALIG	NMENT		
(12)	АМ	Fashion loof of several turns of wire and radiate signal into loop of receiver.	450 kHz 30% Mod. with 400 Hz.	Point of noninterference. (on/about 600 kHz).	Output meter across Voice coil.	T9 (1st) T8 (2nd)	Adjust for maximum output.

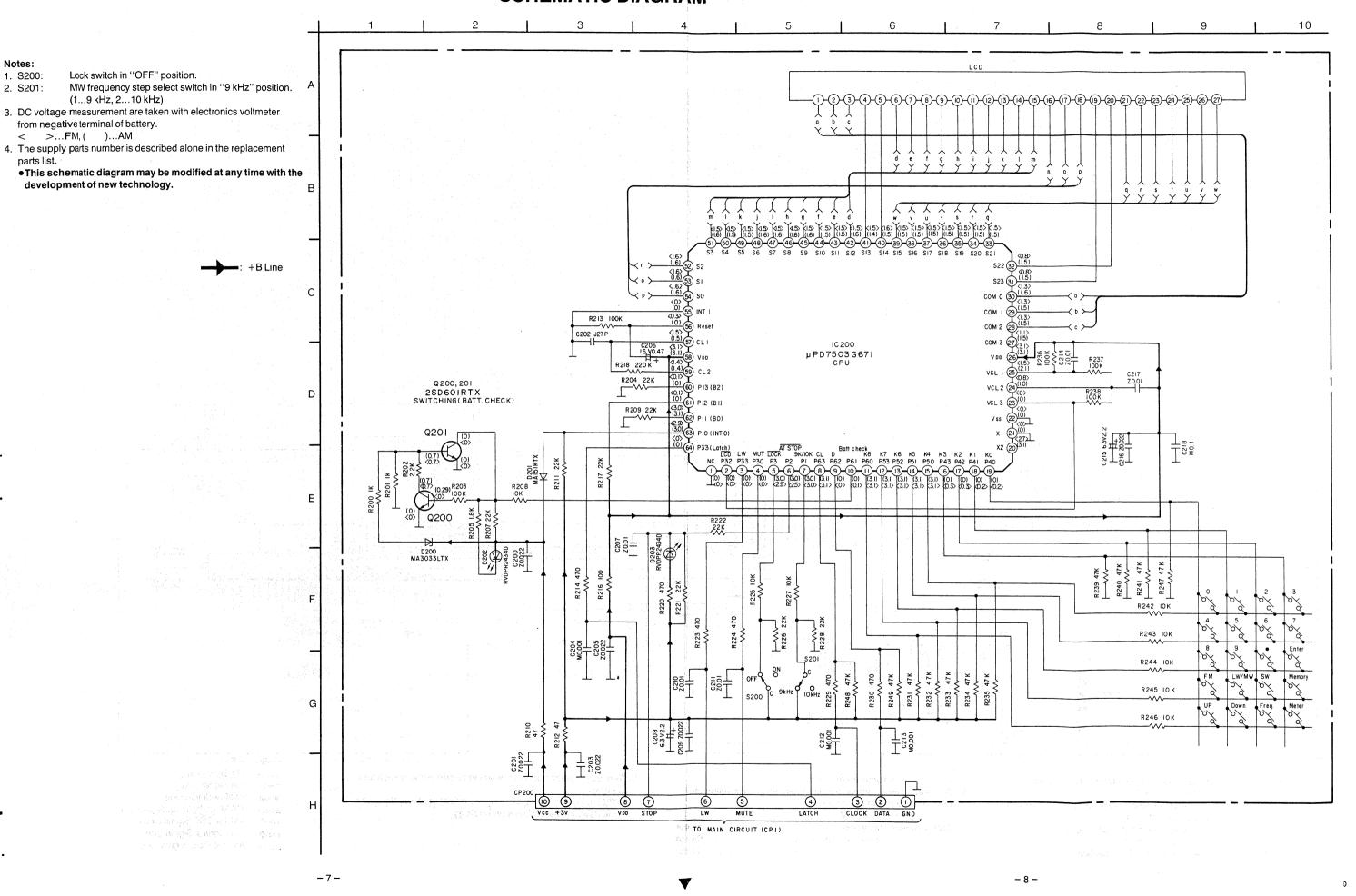
ALIGNMENT POINT

[•] Please refer to Circuit Board and Wiring Connection Diagram for test point locations.

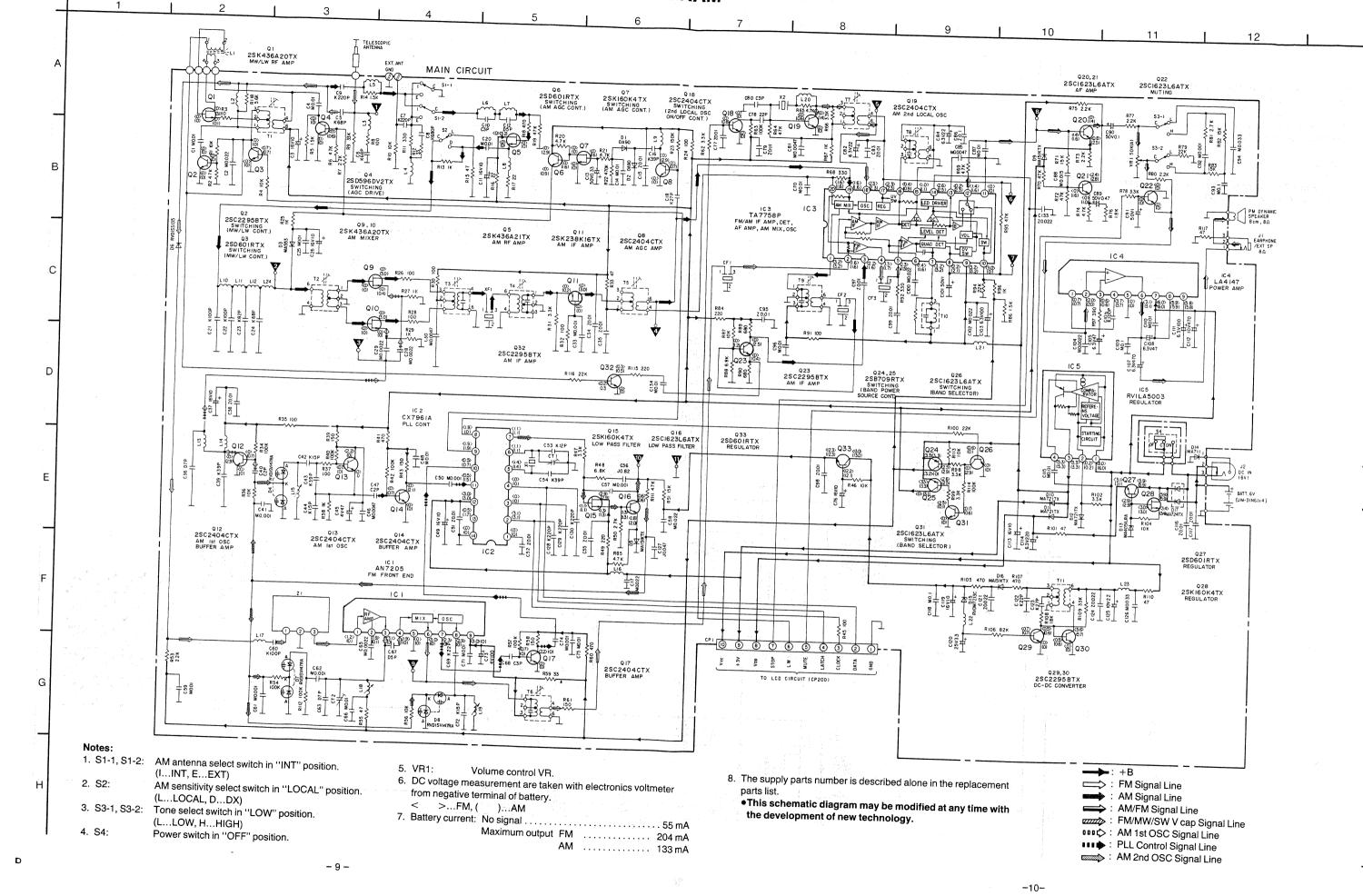


 $[\]blacksquare$ Be sure to fold at the (\blacksquare) mark so that mark is on the outside. \blacksquare 6 \blacksquare

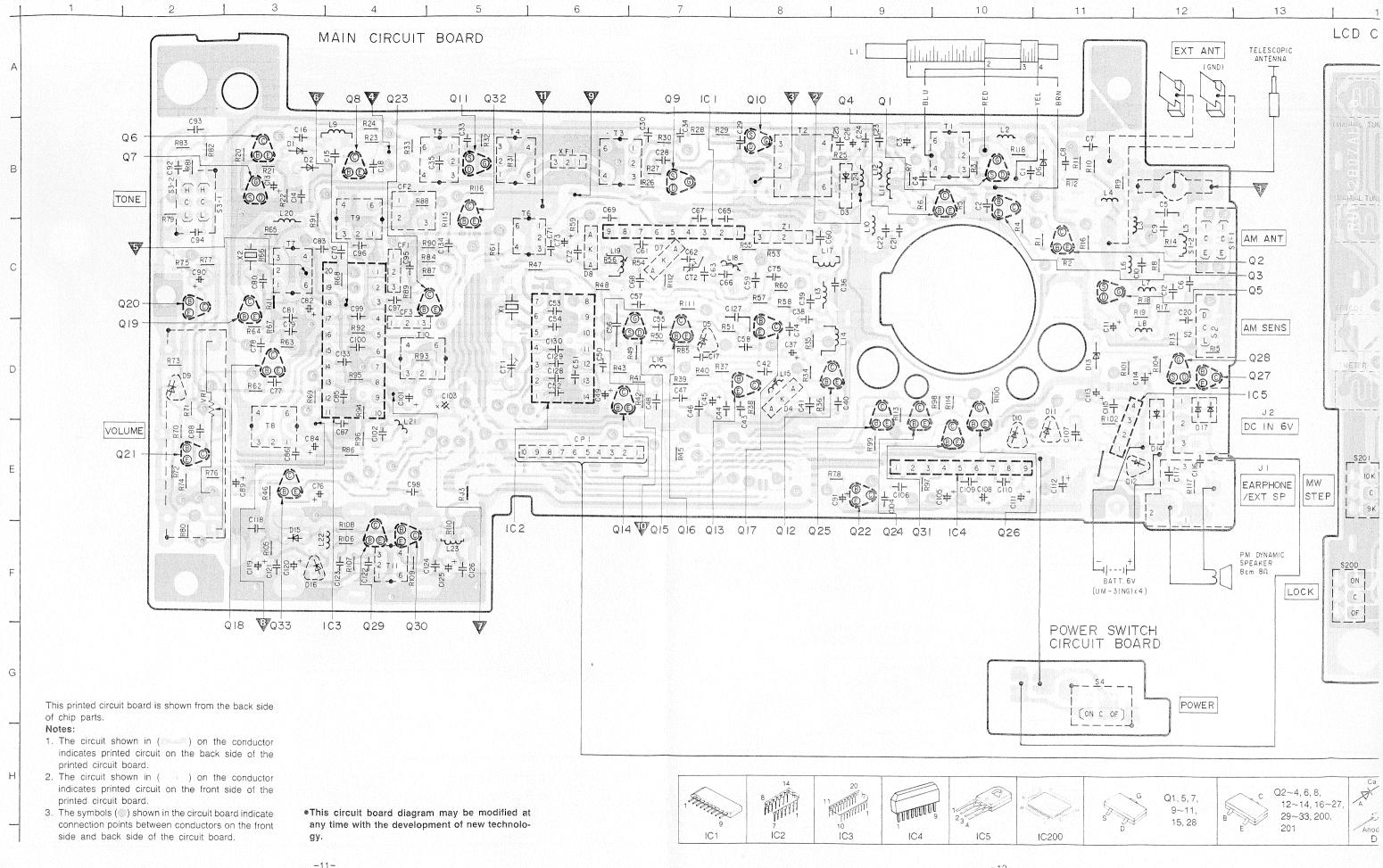
SCHEMATIC DIAGRAM

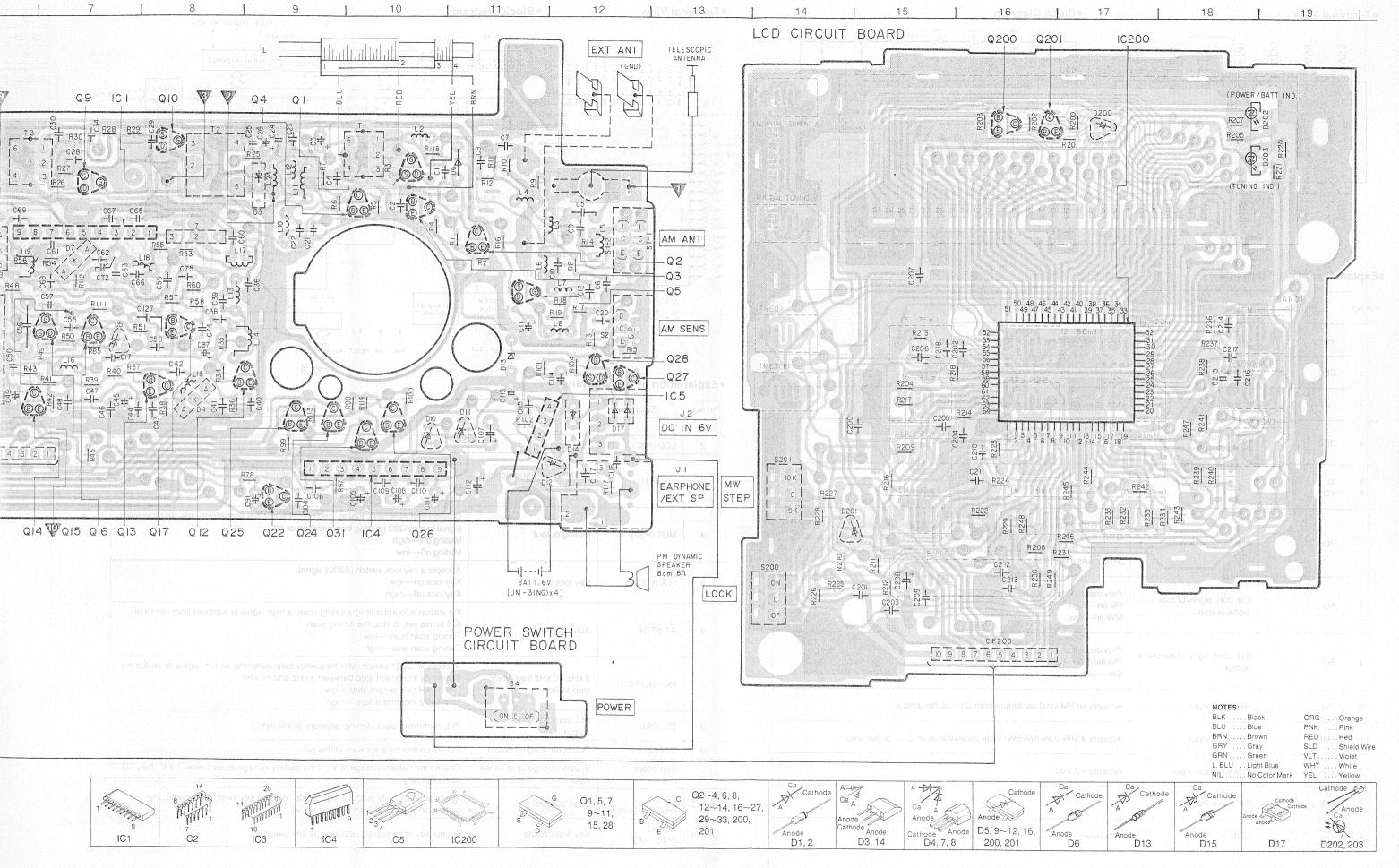


SCHEMATIC DIAGRAM



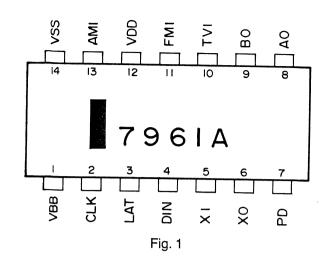
CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM



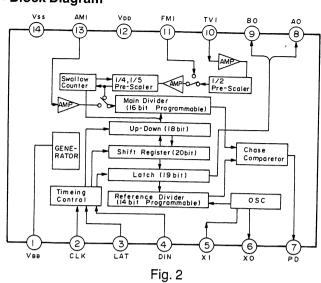


IC FUNCTION CHART (IC2: CX7961A)

◆Terminal View



Block Diagram



•Explanation of each terminal

5			
Pin No.	Symbol	Terminal	Description
1	V _{BB}	Substrate pin	Accepts a capacitor for reference voltage.
2	CLK	Clock input	Accepts a clock signal from pin 8 of IC200 (CPU).
3	LAT	Latch input	Accepts a latch signal from pin 64 of IC200 (CPU).
4	DIN	Data input and up/down mode switching input	Accepts data from pin 9 of IC200 (CPU).
5 6	XI XO	Crystal inputs	Accepts a crystal (4.5 MHz).
7	PD	Phase detector output	PLL's error output appears at this pin. The output signal is applied to a L.P.F. (Q15, Q16). If a divided OSC frequency (received frequency) exceeds the reference frequency, this pin outputs a high; if it is lower than the reference frequency, this pin outputs a low. If the two frequencies match, the pin floats.
8	AO	Ext. con. signal/unlock signal output	Provides a band mode switching signal: FM on—high MW on—low
9	во	Ext. cont. signal/data check output	Provides a band switching signal: FM/AM/LW—high SW—low
10	TVI	RF signal input	Accepts an FM local oscillation from Q17 (buffer amp.).
11	FMI	RF signal input	Accepts a MW (LW/AM/SW) local oscillation from Q14 (buffer amp.).
12	Vdd	Power supply input	Accepts +3 Vdc.
13	АМІ	RF signal input	NC
14	Vss	GND	Grounded.

IC FUNCTION CHART (IC200: UPD7503G671)

Pin No

20

21

23~2!

26

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31~54

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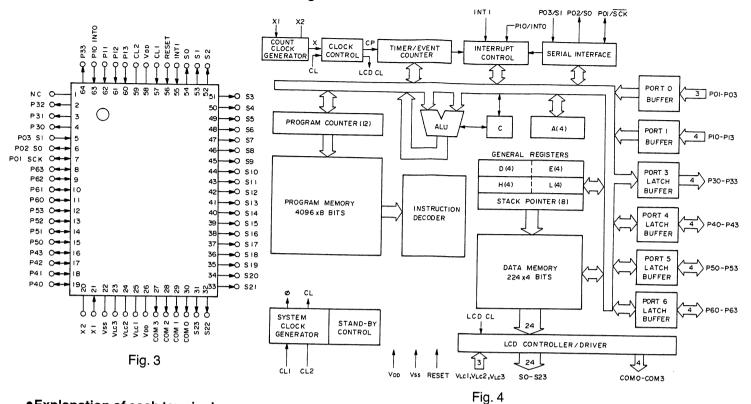
58

60~62

63 64

Terminal View

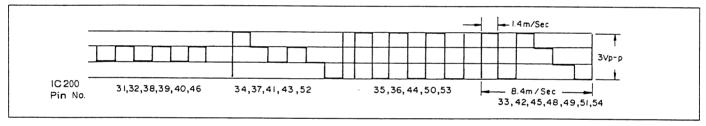
●Block Diagram



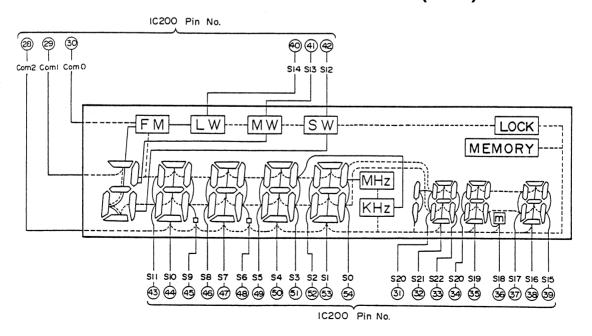
•Explanation of each terminal

Pin No.	Symbol	Terminal	Description
1	NC		
2	LCD (P32)	Port output	
3	LW (P31)	LW/MW switching signal output	Provides a high for LW and a low for MW. This output turns a switching transistor, Q18, on/off to control the second local oscillator. LW—high MW—low
4	MUT (P30)	Muting output	During band switching, tuning, and other transiental operations, this pin provides a signal to turn Q22 (muting transistor) on or off. Muting on—high Muting off—low
5	LOCK (P03)	Key lock input	Accepts a key lock switch (S200) signal. Key lock on—low Key lock off—high
6	AT STOP	Auto stop input	If a station is found during a tuning scan, a high signal is supplied from pin 14 of IC3 to this pin, to stop the tuning scan. Tuning scan busy—low Tuning scan end—high
7	9K/10K (P01)	9 kHz/10 kHz frequency step switching input	Accepts an S201 switch (MW frequency step switching switch) signal to switch the frequency increment step between 9 kHz and 10 kHz. MW 10 kHz increment step—low MW 9 kHz increment step—high
8	CL (P63)	PLL controlling clock output	PLL controlling clock (timing) appears at this pin.
9	D (P62)	PLL control signal output	PLL IC control data appears at this pin.
10	Batt check (P61)	Supply voltage drop sense input	Checks the battery voltage (6 V). If the battery voltage drops below 3.8 V, the LCD starts flashing.
11~15	K4-K8 (P60, P50-P53)	Scan outputs	These pins normally output a high signal. When a key switch is pressed, the corresponding pin delivers a pulse signal.
16~19	K0-K3 (P40-P43)	Key scan inputs	Accept key scan signals activated by key switches.

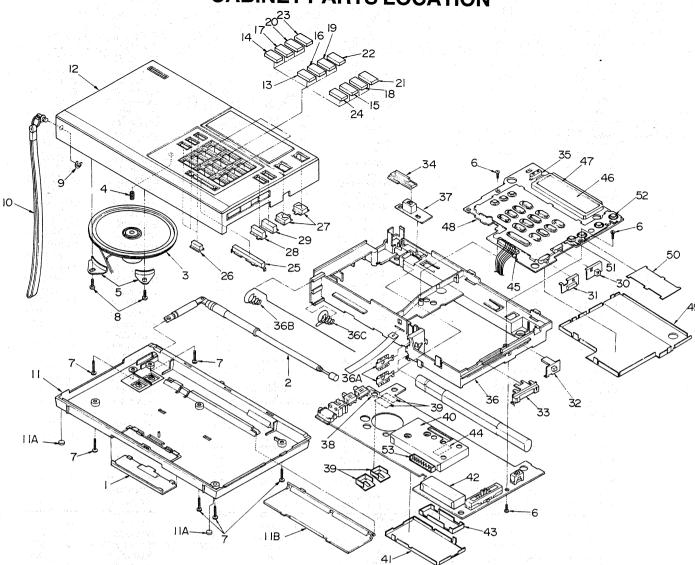
Pin No.	Symbol	Terminal	Description
20 21	X1 X2	Crystal inputs	
22	Vss	GND	Ground pin.
23~25	CL3-CL1	LCD power supply input	Accepts LCD driving power supply.
26	V _{DD}	Power supply input	Accepts +3 Vdc.
27	сомз	Common output	NC
28 29 30	COM2 COM1 COM0	LCD common signal output	COM0 V _{LC1} V _{LC2} V _{LC3} COM1 COM2
31~54	S0-S23	LCD segment outputs	The output waveforms appearing at these pins differ from each other depending on the segment and display data (see Fig. 5).
55	INT1	Ext. interrupt input	To be grounded.
56	RESET	Reset input	Accepts a time constant R213 (100 k Ω)/C206 (0.47 μ F) to reset the device at power on.
57 59	CL1 CL2	System clock time constant inputs	Accept C202 (27 pF) and R218 (220 k Ω) to provide a time-base frequency for the timer and counter.
58	V _{DD}	Power supply input	Accepts +3 Vdc.
60~62	B0-B2 (P11-P13)	Destination selecting inputs	Used to select frequency bands for different destination countries by applying high and low signals.
63	INT0 (P10)	Power on/off signal input	Used to check power is applied to the device.
64	Latch (P33)	Latch signal output	Provides an end-control signal to the external PLL IC (CX7961A).



LIQUID CRYSTAL DISPLAY (LCD)



CABINET PARTS LOCATION



CABINET PARTS LIST

Ref. No.	Part No.	Part Code	Description	Ref. No.		Part No.	Part Code	Description
CABINET AND CH	ASSIS			27		RBC1186ZA-0	015 702 4779 2	BUTTON, TUNING
1	1KKAB40ZA-0	015 820 8847 2	BATTERY COVER	28		RBC1187ZA-0	015 702 4780 9	BUTTON, METER
2	XEARS125GB-Y	002 390 1650 7	TELESCOPIC ANTENNA	29		RBC1188ZA-0	015 702 4781 8	BUTTON, FREQ
3	RAS8P32ZA-D	001 260 3862 2	SPEAKER	30		RBD429ZA	015 700 4330 1	KNOB, MW STEP
4	RUQ98ZA	015 726 3117 6		31		RBD430ZA	015 700 4331 0	KNOB TOCK
5	RMS12B	015 632 5726 0		32		RBD432ZA	015 700 4333 8	KNOB TONE
6	XTNR2+5C	005 501 4869 9		33		RBD433ZA	015 700 4334 7	KNOB, VOLUME
7	XTN26+14JFZ	005 501 2663 9		34		RBD494ZA-0	015 700 4741 6	KNOB POWER
В	XTN26+8B	005 501 0320 7		35		RMP276ZA	015 652 1513 5	HOLDER
9	XUC3FT	005 512 0137 3		36		RZAFB40LX	015 630 2632 7	CHASSIS ASS/Y
10	RKH146ZA	015 826 1147 1		36A	ar Carl	RJC30010Z	A seat of the	BATTERY TERMINAL
11	RYFFB40LX	015 802 3229 4	REAR CABINET ASS'Y	36B	10	RJC70021ZA	003 413 1716 4	BATTERY TERMINAL
11A	RHG348ZA	015 653 1127 6	RUBBER	36C		RJC70022ZA		BATTERY TERMINAL
11B	RKL33ZA-0	015 828 0133 1		37	1	RUP2279ZAH	015 630 2631 8	PCB
12	RYMFB40LX		FRONT CABINET ASSY	38	1	RJT1073ZA	3.0 000 200, 0	TERMINAL
13	RBC1023PA	015 702 4009 7	BUTTON ()	39	1	RJT1093ZA	003 413 1718 2	
4	RBC1023QA	015 702 4010 4	BUTTON (0)	40	ı	RMC1145ZA	015 601 1141 8	SHIELD PLATE
15	RBC1023RA	015 702 4011 3	BUTTON (9)	41		RMC1146ZA	015 601 1136 5	SHIELD PLATE
16	RBC1023SA	015 702 4012 2	BUTTON (8)	42		RMC1147ZA	015 601 1137 4	SHIELD PLATE
7	RBC1023TA		BUTTON. (7)	43	F	RMC1148ZA	015 601 1138 3	SHIELD PLATE
18	RBC1023UA	015 702 4014 0	BUTTON (6)	44	F	RMC1162ZA -	015 601 1139 2	SHIELD PLATE
19	RBC1023VA	015 702 4015 9	BUTTON (5)	45	1	IJSAB40ZA	015 934 0113 2	REED WIRE
20	RBC1023WA	015 702 4016 8	BUTTON (4)	46	F	RYKFB40LX	001 080 0398 9	DISPIAY
21	RBC1023XA		BUTTON, (3)	47	F	RME456ZA	015 632 6720 2	ANGLE
2	RBC1023YA	015 702 4018 6		48	F	RMC1143ZA	015 601 1134 7	SHIELD PLATE
3	RBC1023ZA	015 702 4019 5	BUTTON. (1)	49	F	RMC1144ZA	015 601 1135 F	SHIELD PLATE
4	RBC10230A	015 702 4080 0	BUTTON (M)	50	F	RMC1178ZA	015 601 1140 9	SHIELD PLATE
5	RBC1032ZB-0	015 702 4777 4	BUTTON, ENTER	51	F	RHG5052ZA	015 653 1224 6	RUBBER
6	RBC1185ZA-0	015 702 4778 3	BUTTON, BAND	52	F	RHG5053ZA	015 653 1226 4	RUBBER
the same of the				53		RJP10G20Z	003 402 2528 3	PLUC (10P)

ACCESSARY AND PACKING PARTS LIST

Notes:

Ref. No.	Part No.	Part Code	Description	Ref. No.	Part No.	Part Code	Description
PACKINGS				A2 Δ	RJP120ZS	003 402 1803 7	PLUG
P1 P2 P3 P4 P5	RPN5350ZA RPN5351ZA RPK2549ZA XZB18X25A01 RPE681ZA	015 977 3500 4 015 977 3501 3 015 972 2157 8 015 978 0746 1 015 977 3503 1	CUSHION	(X) A3 A4 (XL) A4 Δ	XEH1A1-AB RD9496AXL RD9496XR	001 262 0246 2 015 914 0119 8 015 914 0274 8	AC ADAPTOR
ACCESSORIES A1	RSA805ZA		ANTENNA CORD	(X) A5 A6	RQX5011ZA RQD248ZA-0	015 983 5085 4 015 910 3160 5	INSTRUCTION MANUAL CARRYING CASE

ELECTRICAL PARTS LIST

ELECTRICAL PARTS LIST									
Ref. No.	Part No.	Part Code	Description	Ref. No.	Part No.	Part Code	Description	٦	
INTEGRATED CIR	CUITS			VR1	EWAMF0X05A54	001 174 9085 6	V.R. VOLUME	ᅱ	
IC1	AN7205	001 061 0362 8	I.C. FM RF	VARIABLE CAPACI			The Tolome	\dashv	
1C2	CX7961A	001 061 5650 3	I.C. PLL	CT1	RCV20AF1	001 140 0071 1	TOURIED	\dashv	
IC3	TA7758P		I.C, AM FM IF	CT2	RCV10AF1	001 142 0571 1	TRIMMER CAPACITOR	- 1	
IC4	LA4147		I.C, AM POWER	COILS AND TRANSI		001 142 0505 5	TRIMMER CAPACITOR	_	
IC5	RV I LA5003	001 061 0453 6	I.C. REGULATOR						
I C200	UPD7503G671	001 061 5653 0	I.C, CPU	L1	RLF6D19-0	001 214 1623 3	BAR ANTENNA		
TRANSISTORS				L2 L3	RLQZN680K-D		COIL		
Q1	2SK436A20TX	001 030 7268 0	TRANSISTOR	1 L4	RLQZN181K-D	001 211 4339 7		- 1	
02	2SC2295B	001 030 1266 6		L5	RLQZN220K-D	001 011 1010 1	COIL		
C3	2SD601RTX	001 030 7094 4	TRANSISTOR	L6	RLQZN6R8K-D RLQZN1R0K	001 211 4340 4		- 1	
Q4	2SD596DV2TX	001 030 7473 7	TRANSISTOR	L7	RLQZNR47M-D	001 210 9900 9		- 1	
Q5	2SK436A21TX	001 030 7476 4	TRANSISTOR	L8	RLQZN221K-D	001 211 4337 9		- 1	
Q6	2SD601RTX	001 030 7094 4	TRANSISTOR	L9	RLQY10G5	001 010 1004 5	COIL	- 1	
Q7	2SK160K4TX	001 030 7474 6	TRANSISTOR	L10	RLQY75S5	001 210 1354 5		- 1	
Q8	2SC2404CTX	001 030 7310 5	TRANSISTOR	L11	RLQZPR82ML-Y	001 210 1401 5	COIL	- [
Q9, Q10	2SK436A20TX	001 030 7268 0	TRANSISTOR	L12	RLQZN1R2K-D	001 211 4341 3			
Q11	2SK238K16TX	001 030 7475 5	TRANSISTOR	L13	RLQZPR22M	001 210 9906 3			
Q12, Q13	2SC2404CTX	001 030 7310 5	TRANSISTOR	L14	RLQZPR56ML-Y	001 210 3306 3	COIL	- 1	
Q14	2SC2404CTX	001 030 7310 5	TRANSISTOR	L15	RL04N234-0	001 211 4343 1		- 1	
Q15	2SK160K4TX	001 030 7474 6	TRANSISTOR	L16	RLQZN101K	001 211 4040 1	COIL		
Q16	2SC1623L6ATX	001 030 7071 1	TRANSISTOR	L17	RLQY25S5	001 210 1383 0			
Q17. Q18	2SC2404CTX	001 030 7310 5	TRANSISTOR	L18	RL04N125	001 210 1768 7			
Q19 Q20, Q21	2SC2404CTX	001 030 7310 5	TRANSISTOR	L19	RL04N239-0	001 211 4344 0		ı	
Q22	2SC1623L6ATX	001 030 7071 1	TRANSISTOR	L20	RLQY15G5	001 210 9796 1			
Q23	2SC1623L6ATX	001 030 7071 1	TRANSISTOR	L21	RLQZN470K-D		COIL		
Q24, Q25	2SC2295B	001 030 1266 6	TRANSISTOR	L22	RLQZN101K		COIL		
Q26	2SB709S 2SC1623L6ATX	001 030 0734 3	TRANSISTOR	L23	RLQZN221K-D		COIL	- 1	
027	2SD601RTX	001 030 7071 1	TRANSISTOR	L24	RLQZP1R2ML-Y	001 211 4342 2	COIL	- 1	
028	2SK160K4TX	001 030 7094 4	TRANSISTOR	T1.	RLA6C1-T		COIL	- 1	
029, 030	2SC2295B	001 030 7474 6	TRANSISTOR	T2	RLA3Z11-0		COIL		
Q31	2SC1623L6ATX	001 030 1266 6	TRANSISION	T3, T4	RLI3A4-M	001 215 3254 5	I.F.TRANSFORMER	-	
032	2SC2295B	001 030 7071 1 001 030 1266 6	TRANSISION	T5	RLI3A3-T		I.F.TRANSFORMER	-	
Q33, Q200	2SD601RTX	001 030 7094 4	TRANSISTOR	T6	RL14A4	001 215 2484 7	I.F.TRANSFORMER	1	
Q201	2SD601RTX	001 030 7094 4	TRANSISIUR	177	RL03A12-T	001 211 4010 9	COIL		
DIODES	ZODOOMIT/A	001 000 1004 4	TRANSISTUR	T8	RL12A34-T		I.F.TRANSFOMER		
				T9	RL12A35-T		I.F.TRANSFOMER		
D1, D2 D3	0A90	001 032 2718 5	DIODE	T10	RL14A33-T	200	I.F.TRANSFOMER		
D4	MA553	001 032 4971 6	DIODE	J11	RL09A11-T	001 211 4065 4	COIL		
05	RVD1SV147RA	001 033 0386 8	DIODE	COMPONENT COMB	INATIONS	And the second		٦	
06 ° - 1	MA151KTX	001 032 7613 3		Z1	RXABPMB8	001 230 1488 0	COMPONENTSCOM BINATION	7	
D6 D7, D8	RVD1SS135	001 032 6340 3	DIODE	FILTERS			ONE TOOM DIVELLOR	\dashv	
09	RVD1SV147RA MA151KTX	001 033 0386 8			DVE107W47	001 041 0400 5	OFFICE OF THE STATE OF THE STAT	4	
D10, D11	MA721	001 032 7613 3	DIODE	2.4.2	RVF107WAZ SVF450UI1-M	W1 241 0408 9	CERAMIC FILTER		
012	MA721	001 033 0163 1				001 241 1442 3	CERAMIC FILTER		
013	MA4051LRA	001 033 0163 1			RVF107WAZ	001 241 0408 9	CERAMIC FILTER		
014	MA711	001 033 0384 0			RVX55M845A	WI 241 1443 2	CERAMIC FILTER	_	
015	RVDMTZ13C	001 032 8534 7		SWITCHES			and a company of the second of	╝	
016	MA151KTX	001 033 0084 9 001 032 7613 3	DIODE		RSS2B43Y	003 431 2695 6	SW, ANT/SENS	7	
017	MA724TX	001 033 0385 9			RSS2B60ZA-M	003 431 3857 2	SW. TONE/POWR	-	
200	MA3033LTX	001 033 0383 1			RSS2B40Z	003 431 2692 9	SW. LOCK/STE	1	
0201	MA151KTX	001 032 7613 3	DIODE	OTHERS	1.1			\dashv	
0202, D203	RVDPR2434D	001 032 3539 2		J1	QJA0199	003 400 5175 6	JACK EP	\dashv	
ARIABLE RESISTO				J2	RJJ1B1Z	003 400 5292 2	JACK DC		
	····			X1	RVCE4500NZW	001 141 0622 2	CRYSTAL	1	
			l		RVCA55395NRW	001 141 0621 3	CRYSTAL		
								1	

RESISTOR AND CAPACITOR PARTS LIST

ECEA

Numbering System of Resistor

Example:				
ERD	25	F	J	101
Туре	Wattage	Shape	Tolerance	Value (100Ω)
ERJ	6G	С	J	2R2
Type	Wattage	Shape	Tolerance	Value

Numbering System of Capacitor

Voltage Peculiarity

Example:				
ECKD	1H	102	Z	F
Туре	Voltage	Value (1000 pF)	Tolerance	Peculiari

F	lesistor Type	W	attage	Tolerance
	Carbon Resistor Solid Resistor Incombustible Box-Shaped Wire-Wound	10 25 50 18 14	: 1/8W : 1/4W : 1/2W : 1/8W : 1/4W	F: ±1% G: ±2% J: ±5% K: ±10% M: ±20%
	Resistor Metal Oxide-Film Resistor Wire-Wound	12 1 2 3	: 1/2W : 1W : 2W : 3W	
ERO:	Resistor Superstable Metal Film	S1 S2	: 1/2W : 1/4W : 1/10W : 1/8W	
ERX:	Resistor Metal-Film Resistor	80	. 78**	
RRJ:	Chip Resistor			

Capacity are in microfarads (μF) unless specified otherwise, P=Pico-farads.
 Resistance are in ohms (Ω), unless specified otherwise, 1K=1,000Ω, 1M=1,000 KΩ

	Capacitor Type	Voltage	Tolerance	
ECCD:	Ceramic Capacitor (Chitacon) Ceramic Capacitor (Chitabari)	(ECCD, ECKD Type) 1H : 50V DC 2H : 500V DC (ECFD Type) C : 12V DC D : 25V DC F : 50V DC	K: ±10% M: ±20% Z: +80% J: ±5%	
ECFD: ECE: ECS:	Capacitor	(ECQ Type) 05 : 50WV DC 1 : 100WV DC (ECE, ECS Type) 0G : 4V	G: ±2% F: ±1% C: ±0.25pF D: ±0.5pF	
ECQS:	Polystyrene Film Capacitor Polypropylene Film Capacitor	1H:50V 1J:63V 2A:100V		
ECQV: ECU: RCU: ECBT:	T.F Capacitor Chip Capacitor Cylindrical Ceramic Capacitor			

Ref. No.	Part No.	Part Code	Ref. No.	Part No.	Part Code	Ref. No.	Part No.	Part Code
			R46	RRJ6GCJ103TE	001 151 6750 5	R92	RRJ6GCJ331TE	001 151 7177 8
RESISTORS			- R47	RRJ6GCJ332TE	001 151 7178 7	R93	RRJ6GCJ332TE	001 151 7178 7
R1	RRJ6GCJ103TE	001 151 6750 5	R48	RRJ6GCJ682TE	001 151 7187 6	R94	RRJ6GCJ223TE	001 151 7173 2
R2	RRJ6GCJ472TE	001 151 6751 4	R49	RRJ6GCJ221TE	001 151 6507 4	R95	RRJ6GCJ473TE	001 151 6450 4
R3	RRJ6GCJ100TE	001 151 6749 8	R50	RRJ6GCJ272TE	001 151 7175 0	R96	RRJ6GCJ102TE	001 151 7163 4
R4	RRJ6GCJ103TE	001 151 6750 5	R51	RRJ6GCJ153	001 152 5879 8	R97 .	RRJ6GCJ391TE	001 151 6700 5
R5	RRJ6GCJ152	001 152 5878 9	R53	RRJ6GCJ222TE	001 151 7172 3	R98, R99	RRJ6GCJ332TE	001 151 7178 7
R6	RRJ6GCJ472TE	001 151 6751 4	R54	RRJ6GCJ104TE	001 151 7164 3	R100	RRJ6GCJ223TE	001 151 7173 2
R7	RRJ6GCJ222TE	001 151 7172 3	R55	RRJ6GCJ470TE	001 151 7180 3	R101	RRJ6GCJ470TE	001 151 7180 3
R8	RRJ6GCJ101TE	001 151 7162 5	R56	RRJ6GCJ103TE	001 151 6750 5	R102	RRJ6GCJ332TE	001 151 7178 7
R9	RRJ6GCJ333	001 152 5867 2	R57	RRJ6GCJ104TE	001 151 7164 3	R104	RRJ6GCJ103TE	001 151 6750 5
R10	RRJ6GCJ103TE	001 151 6750 5	R58	RRJ6GCJ151TE	001 151 7168 9	R105	RRJ6GCJ471TE	001 151 7181 2
R11	RRJ6GCJ331TE	001 151 7177 8	R59	RRJ6GCJ330	001 152 5882 3	R106	RRJ6GCJ823TE	001 151 7190 1
R12	RRJ6GCJ330	001 152 5882 3	R60	RRJ6GCJ471TE	001 151 7181 2	R107	RRJ6GCJ471TE	001 151 7181 2
R13	RRJ6GCJ102TE	001 151 7163 4	R61	RRJ6GCJ151TE	001 151 7168 9	R108	RRJ6GCJ182	001 152 5881 4
R14	RRJ6GCJ152	001 152 5878 9	R62	RRJ6GCJ332TE	001 151 7178 7	R109	RRJ6GCJ333	001 152 5867 2
R15	RRJ6GCJ470TE	001 151 7180 3	R63	RRJ6GCJ104TE	001 151 7164 3	R110	RRJ6GCJ470TE	001 151 7180 3
R16. R17	RRJ6GCJ220TE	001 151 7171 4	R64	RRJ6GCJ473TE	001 151 6450 4	R111	RRJ6GCJ472TE	001 151 6751 4
R18	RRJ6GCJ471TE	001 151 7181 2	R65	RRJ6GCJ472TE	001 151 6751 4	R112	RRJ6GCJ104TE	001 151 7164 3
R19	RRJ6GCJ473TE	001 151 6450 4	R66	RRJ6GCJ332TE	001 151 7178 7	R113	RRJ6GCJ103TE	001 151 6750 5
R20. R21	RRJ6GCJ472TE	001 151 6751 4	R67	RRJ6GCJ102TE	001 151 7163 4	R114	RRJ6GCJ104TE	001 151 7164 3
R22	RRJ6GCJ474	001 152 5869 0	R68	RRJ6GCJ331TE	001 151 7177 8	R115	RRJ6GCJ221TE	001 151 6507 4
R23	RRJ6GCJ154	001 152 5880 5	R69	RRJ6GCJ472TE	001 151 6751 4	R116	RRJ6GCJ223TE	001 151 7173 2
R24	RRJ6GCJ101TE	001 151 7162 5	R70	RRJ6GCJ473TE	001 151 6450 4	R117	RRJ6GCJ470TE	001 151 7180 3
R25	RRJ6GCJ102TE	001 151 7163 4	R71	RRJ6GCJ153	001 152 5879 8	R118	RRJ6GCJ562	001 152 5870 7
	RRJ6GCJ101TE	001 151 7162 5	R72	RRJ6GCJ473TE	001 151 6450 4	R200, R201	RRJ6GCJ102TE	001 151 7163 4
R26 R27	RRJ6GCJ102TE	001 151 7163 4	R73	RRJ6GCJ222TE	001 151 7172 3	R202	RRJ6GCJ222TE	001 151 7172 3
	RRJ6GCJ101TE	001 151 7162 5	R74	RRJ6GCJ472TE	001 151 6751 4	R203	RRJ6GCJ104TE	001 151 7164 3
R28	RRJ6GCJ102TE	001 151 7163 4	R75	RRJ6GCJ222TE	001 151 7172 3	R204	RRJ6GCJ223TE	001 151 7173 2
R29 R30	RRJ6GCJ101TE	001 151 7162 5	R76	RRJ6GCJ182	001 152 5881 4	R205	RRJ6GCJ182	001 152 5881 4
R31	RRJ6GCJ332TE	001 151 7178 7	R77	RRJ6GCJ222TE	001 151 7172 3	R207	RRJ6GCJ223TE	001 151 7173 2
R32	RRJ6GCJ101TE	001 151 7162 5	R78	RRJ6GCJ332TE	001 151 7178 7	R208	RRJ6GCJ103TE	001 151 6750 5
R33	RRJ6GCJ470TE	001 151 7180 3	R79	RRJ6GCJ223TE	001 151 7173 2	R209	RRJ6GCJ223TE	001 151 7173 2
	RRJ6GCJ104TE	.001 151 7164 3		RRJ6GCJ222TE	001 151 7172 3	R210	RRJ6GCJ470TE	001 151 7180 3
R34	RRJ6GCJ101TE	001 151 7162 5	R80		001 151 7175 0	R211	RRJ6GCJ223TE	001 151 7173 2
R35		001 151 7102 5	R81	RRJ6GCJ272TE	001 152 5879 8	R212	RRJ6GCJ470TE	001 151 7180 3
R36	RRJ6GCJ103TE RRJ6GCJ101TE	001 151 7162 5	R82, R83	RRJ6GCJ153	001 152 5073 6	R213	RRJ6GCJ104TE	001 151 7164 3
R37	RRJ6GCJ101TE	001 151 7163 4	R84	RRJ6GCJ221TE	001 151 6507 4	R214	RRJ6GCJ471TE	001 151 7181 2
R38	RRJ6GCJ1021E	001 151 7168 9	R85	RRJ6GCJ472TE	001 152 5878 9	R216	RRJ6GCJ101TE	001 151 7162 5
R39		001 151 7164 3	R86	RRJ6GCJ152	001 152 5676 5	R217	RRJ6GCJ223TE	001 151 7173 2
R40	RRJ6GCJ104TE	001 151 7181 2	R87	RRJ6GCJ103TE	001 151 7187 6	R218	RRJ6GCJ224TE	001 151 7174 1
R41	RRJ6GCJ471TE		R88	RRJ6GCJ682TE		R220	RRJ6GCJ471TE	001 151 7181 2
R42	RRJ6GCJ104TE	001 151 7164 3	R89, R90	RRJ6GCJ681TE	001 151 7186 7	R221, R222	RRJ6GCJ223TE	001 151 7173 2
R43	RRJ6GCJ151TE RRJ6GCJ101TE	001 151 7168 9 001 151 7162 5	R91	RRJ6GCJ101TE	001 151 7162 5	ncci, nccc	IIIIOOOGOZZOIE	W1 101 1110 E

RF-B40DL

Ref. No.	Part No.	Part Code	Ref. No.	Part No.	Part Code	Ref. No.	Part No.	Part Code
223, R224	RRJ6GCJ471TE	001 151 7181 2	C39	RCUV1H390KC	001 103 9249 1	C95	RCUV1H103ZF	001 103 8690 2
225	RRJ6GCJ103TE	001 151 6750 5	C40	RCUV1H020CC	001 103 9222 2	C96	RCUV1E103MD	001 103 9214 2
226	RRJ6GCJ223TE	001 151 7173 2	C41	RCUV1H102MD	001 103 9230 2	C97, C98	RCUV1H103ZF	001 103 8690 2
227	RRJ6GCJ103TE	001 151 6750 5	C42	RCUV1H150KC	001 103 9235 7	C99	RCUV1H103ZF	001 103 8690 2
228	RRJ6GCJ223TE	001 151 7173 2	C43	RCUV1H390KC	001 103 9249 1	C100	RCUV1E223MD	001 103 9216 0
229, R230	RRJ6GCJ471TE	001 151 7181 2	C44	RCUV1H150KC	001 103 9235 7	C101	ECEA1HK010	001 120 0341 5
231, R232	RRJ6GCJ473TE	001 151 6450 4	C45	ECEA0GK470	001 120 2624 9	C102	RCUV1E223MD	001 103 9216 0
231, n232 233, R234	RRJ6GCJ473TE	001 151 6450 4	C46	RCUV1H472MD	001 103 8780 1	C103	ECEA0JK101	001 120 0136 8
235, n234	RRJ6GCJ473TE	001 151 6450 4	C47	RCUV1H020CC	001 103 9222 2	C104	RCUV1H222MD	001 103 9243 7
236, R237	RRJ6GCJ104TE	001 151 7164 3	C48	RCUV1E103MD	001 103 9214 2	C105	ECEA0JU470	001 120 3125 9
	RRJ6GCJ104TE	001 151 7164 3	C49	ECEA1CK100	001 120 0222 1	C106	RCUV1H101K	001 103 9229 5
238 230 D240	RRJ6GCJ104TE	001 151 7104 8	C50	RCUV1H102MD	001 103 9230 2	C107	ECEA0JU471	001 120 2924 0
239, R240	RRJ6GCJ473TE	001 151 6450 4	C51, C52	RCUV1H103ZF	001 103 8690 2	C108	ECEA0JU470	001 120 3125 9
241		001 151 6750 5	C53	RCUV1H120KC	001 103 9233 9	C109	ECUV1E104MD	001 103 6960 7
242, R243	RRJ6GCJ103TE	001 151 6750 5	C54	RCUV1H390KC	001 103 9249 1	C110	RCUV1E103MD	001 103 9214 2
244, R245	RRJ6GCJ103TE	001 151 6750 5	C55	RCUV1H103ZF	001 103 8690 2	C111	ECEA0JU101	001 120 2829
246	RRJ6GCJ103TE		C56	ECQV1H824JZ	001 106 3226 7	C112	ECEA1AU471	001 120 3029
247, R248	RRJ6GCJ473TE	001 151 6450 4		RCUV1H102MD	001 103 9230 2	C113	ECEA1CU100	001 120 2905
249	RRJ6GCJ473TE	001 151 6450 4	C57	RCUV1E223MD	001 103 9216 0	C114	ECEA0JU221	001 120 2925
IJ1. RJ3	RRJ6GCJ000TE	001 151 7161 6	C58	RCUV1E103MD	001 103 9214 2	C115	RCUV1E103MD	001 103 9214
CAPACITORS			C59		001 103 9229 5	C116, C117	RCUV1H103ZF	001 103 8690
	RCUV1E103MD	001 103 9214 2	C60	RCUV1H101K	001 103 9230 2	C118	ECUV1E104MD	001 103 6960
2	RCUV1E223MD	001 103 9216 0	C61, C62	RCUV1H102MD	001 103 8930 5	C119	ECEA1CK100	001 120 0222
3	ECEA1CU100	001 120 2905 3	C63	RCUV1H070DC		C120	ECEATEK3R3	001 120 0292
24	RCUV1E103MD	001 103 9214 2	C65	RCUV1H222MD	001 103 9243 7	C120	RCUV1E223ZF	001 103 9217
C5	ECCV1H680KC	001 103 9570 5	C66	RCUV1E103MD	001 103 9214 2	C121	RCUV1H220KC	001 103 8693
DS D6	RCUV1H680KC	001 100 3010 0	C67	RCUV1H050DC	001 103 9225 9	1 *	RCUV1H270KC	001 103 9245
D7	RCUV1H221K	001 103 9242 8	C68	RCUV1H030CC	001 103 9223 1	C123	RCUV1E223ZF	001 103 9217
27 28	RCUV1H681KB	001 103 9255 3	C69	RCUV1H220KC	001 103 8693 9	C124		001 120 0176
	RCUV1H221K	001 103 9242 8	C70, C71	RCUV1E103MD	001 103 9214 2	C125	ECEA1AK220	001 103 9218
C9		001 103 9223 1	C72	RCUV1H150KC	001 103 9235 7	C126	RCUV1E333MD	001 106 0810
C10	RCUV1H030CC	001 103 3223 1	C73	ECEA0GK101	001 120 2620 3	C127	ECQM1H473JZ	
211	ECEA1CU100	001 103 9225 9	C74	RCUV1H102MD	001 103 9230 2	C128, C129	RCUV1H221K	001 103 9242
012	RCUV1H050DC		C75	RCUV1E103MD	001 103 9214 2	C130	RCUV1H221K	001 103 9242
C13	ECEA1HKR33	001 120 0337 1	C76	ECEA1CK100	001 120 0222 1	C133	RCUV1E223ZF	001 103 9217
C14	RCUV1E103MD	001 103 9214 2	C77	RCUV1H103ZF	001 103 8690 2	C134	RCUV1E103MD	001 103 9214
C15	RCUV1H103ZF	001 103 8690 2	C78	RCUV1H220KC	001 103 8693 9	C200, C201	RCUV1E223ZF	001 103 9217
C16	RCUV1H390KC	001 103 9249 1	C79	RCUV1H103ZF	001 103 8690 2	C202	RCUV1H270JC	001 103 9571
217	RCUV1E223MD	001 103 9216 0	C80	RCUV1H030CC	001 103 9223 1	C203	RCUV1E223ZF	001 103 9217
C18	RCUV1H270KC	001 103 9245 5	C81	RCUV1H472MD	001 103 8780 1	C204	RCUV1H102MD	001 103 9230
C20	RCUV1E103MD	001 103 9214 2	C82	ECEA0JK220	001 120 0139 5	C205	RCUV1E223ZF	001 103 9217
C21, C22	RCUV1H101K	001 103 9229 5	C83	RCUV1H103ZF	001 103 8690 2	C206	ECST1CY474LL	001 123 1246
C23	RCUV1H820KC	001 103 9260 6	C84	ECEA0JK220	001 120 0139 5	C207	RCUV1H103ZF	001 103 8690
C24	RCUV1H680KC		C85	RCUV1H472MD	001 103 8780 1	C208	ECST0JY225LL	001 123 1245
C25	RCUV1E103MD	001 103 9214 2	C86	RCUV1E104ZF	001 103 7066 4	C209	RCUV1E223ZF	001 103 9217
C26	ECEA1CU100	001 120 2905 3	C87	RCUV1E103MD	001 103 9214 2	C210, C211	RCUV1H103ZF	001 103 8690
C28, C29	RCUV1H222MD	001 103 9243 7	C88	RCUV1E153MD	001 103 9215 1	C212, C213	RCUV1H102MD	001 103 9230
C30	RCUV1H472MD	001 103 8780 1	C89	ECEA1HKR47	001 120 0338 0	C214	RCUV1H103ZF	001 103 8690
C33	RCUV1H102MD	001 103 9230 2	C90	ECEA1HK0R1	001 120 0340 6	C215	ECST0JY225LL	001 123 124
C34, C35	RCUV1H103ZF	001 103 8690 2	C91	ECEA1HK010	001 120 0341 5	C216	RCUV1E223ZF	001 103 921
C36	RCUV1H070DC	001 103 8930 5	C92	RCUV1H102MD	001 103 9230 2	C217	RCUV1H103ZF	001 103 869
C37	ECEA1CK100	001 120 0222 1	C92 C93	ECUV1E104MD	001 103 6960 7	C218	ECUV1E104MD	001 103 696
C38	RCUV1H103ZF	001 103 8690 2	C93	RCUV1E333MD	001 103 9218 8	C219	ECEAOGKK220	001 120 384
			1 034	ACO Y ILCOOMD	301 100 3C10 0	1 32.13		

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